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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/752,437	01/06/2004	Wei-Kung Wang	LELI 3413.2	3791
321 SENNIGER PO	7590 08/10/2007 OWERS		EXAMINER	
ONE METROPOLITAN SQUARE 16TH FLOOR			NATNITHITHADHA, NAVIN	
ST LOUIS, MO 63102			ART UNIT	PAPER NUMBER
			3735	-
	·			
			NOTIFICATION DATE	DELIVERY MODE
			08/10/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspatents@senniger.com

		Application No.	Applicant(s)			
Office Action Summary		10/752,437	WANG ET AL.			
		Examiner	Art Unit			
		Navin Natnithithadha	3735			
Period fo	The MAILING DATE of this communication appe					
WHIC - Exter after - If NO - Failu Any r	CRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DA sisons of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period with the to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ARANDONE	N. nely filed the mailing date of this communication. D. (35.U.S.C. 8.133)			
Status						
1)[Responsive to communication(s) filed on 13 Oc	tober 2006.				
	This action is FINAL . 2b) This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
4)🖂	Claim(s) 1-47 is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)	5) Claim(s) is/are allowed.					
	Claim(s) <u>1-47</u> is/are rejected.	•				
	Claim(s) is/are objected to.					
8)∐	Claim(s) are subject to restriction and/or	election requirement.				
Applicati	on Papers					
9) 🔲 -	The specification is objected to by the Examiner					
10)🛛 ີ	The drawing(s) filed on <u>06 January 2004</u> is/are:	a)⊠ accepted or b)□ objected	to by the Examiner.			
	Applicant may not request that any objection to the d	rawing(s) be held in abeyance. See	9 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)[11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority u	nder 35 U.S.C. § 119					
12)🛛 🗸	12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a)[a)⊠ All b)□ Some * c)□ None of:					
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No. <u>09/766,237</u> .					
	3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
J		in the sertified copies not received	u.			
Attachment	` <i>'</i>	_				
1) Notice 2) Notice	(PTO-413) te					
3) 🔯 Inform	of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date <u>10132006;0124;2006;01062004</u> .	5) Notice of Informal Pa				

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DETAILED ACTION

Response to Amendment

1. Claims 9 and 15 have been amended. Claims 1-47 are pending.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

2. Claim1-47 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-47 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential elements, such omission amounting to a gap between the elements. See MPEP § 2172.01. The omitted elements are: an element of the apparatus that measures or outputs a physiological parameter value in the physiological volume.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

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3. Claims 1-47 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 1-47 defines a nonstatutory process if it consists solely of mathematical operations without some claimed practical application or if it simply manipulates abstract ideas. See MPEP § 2106, IV.C.2.

In this case, the elements of the apparatus in claims 1-47 manipulate numeric values within the claimed signals A(t), B(t), B'(t), C'(t), V'(t) and Nv(t) with no practical use for the resulting signals/values. Thus, the claimed subject matter is directed to a <u>manipulation of abstract ideas</u> without producing a <u>useful, tangible, and concrete result.</u>

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kunst, U.S. Patent No. 5,836,317 A, teaches a method for determining an analyte in blood including spectroscopically generating a first signal corresponding to an analyte quantity (solute) and generating a second signal corresponding to a water quantity (solvent) in a region of the body, and calculating a concentration of the analyte in water by forming a ratio of an analyte value calculated on the basis of the analyte quantity and a water value and calculating a concentration of the analyte in blood based on the ratio of the analyte value and the water value. However, Kunst does not disclose the specific mathematical algorithms to obtain the ratio of the analyte and water signals as claimed by the applicant.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Navin Natnithithadha whose telephone number is (571) 272-4732. The examiner can normally be reached on Monday-Friday, 8:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor, II, can be reached on (571) 272-4730. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Navin Natnithithadha Patent Examiner

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08/06/2007